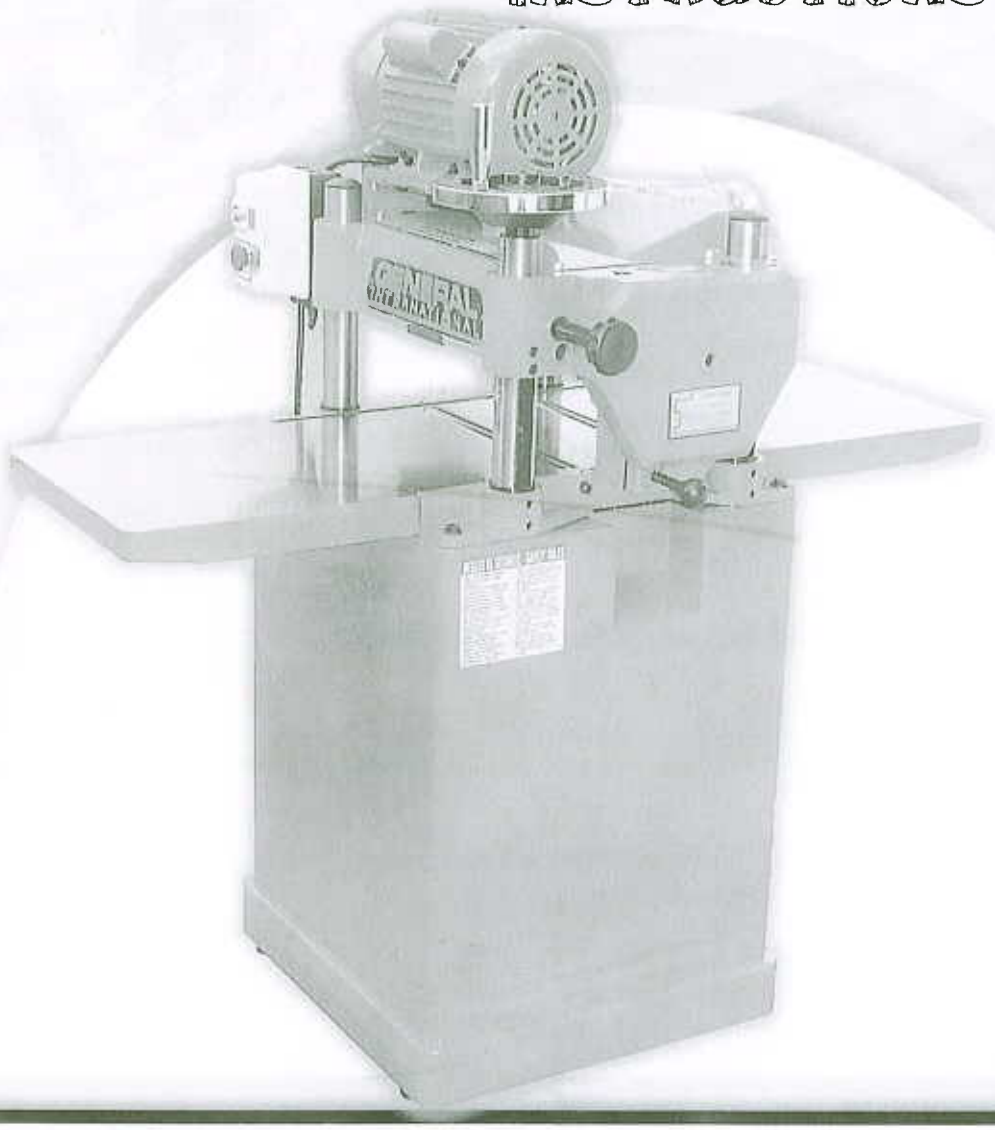
GENERAL INTERNATIONAL

OPERATING MAINTENANCE INSTRUCTIONS

15" PLANER
30-115



FEATURES

- Heavy duty enclosed stand provides a stable work station.
- Heavy-duty cast iron frame provides more precision.
- Four columns design provides extra stability of the cast iron table to keep the parallelism with the head.
- 4" dust chute on an angle to keep work area clear.
- Knife setting gauge included.
- Magnetic safety switch for more security.
- The head of the machine is equipped with anti-kickback fingers.
- Extended table extension provide for longer material.
- Four rubber feet are supplied for adjustment with floor level.
- Powerful 3 H.P. motor, 2 speeds.

SPECIFICA TIONS

TABLE AREA WITH TABLE EXTENSION:	15'' X 48 1/4"
MAX. PLANNING WIDTH:	15''
MAX. PLANNING THICKNESS:	6''
MIN. PLANNING THICKNESS:	1/8''
MIN. PLANNING LENGTH:	6 1/2''
MAX. CUTTING DEPTH:	3 mm
KNIVES:	3
CUTTER HEAD SPEED:	5000 R.P.M.
FEEDING SPEED (2):	16 / 20 FPM
MOTOR	3 HP, 220 V, 1 Ph.
WEIGHT :	267 KGS (588 LBS)

SAFETY RULES

READ CAREFULLY BEFORE OPERATING THE MACHINE

1. Learn the machine's applications and limitations, as well as the specific potential hazards particular to this machine. Follow available safety instructions and safety rules carefully.

2. Keep working area clean and be sure adequate lighting is available.

3. Do not wear loose clothing, gloves, bracelets, necklaces, or ornaments. Wear face, eye, ear, respiratory and body protection devices, as indicated for the operation or environment.

4. Keep hands well away from blades and all moving parts. Do not clear chips and sawdust away with hands. Use a brush.

5. Make sure the cutters are moving at operation speed before planing.

6. Do not push the cutterhead to hard. The planer will perform better and be safer working at the rate for which it was designed.

7. Whenever possible use a dust collector with shaving hood to minimize health hazards.

8. Never leave the machine with the power on.

9. Keep children away. Make sure that visitors are kept at a safe distance from the work area.

10. Use recommended speed cutters accessory, and workpiece material.

11. Never stand on tool. Serious injury could occur if the tool is tipped or if the cutting tool is unintentionally contacted.

12. Be sure planer blades are securely locked in the machine.

13. Use suitable support if stock is to long.

14. Do not force the machine. It will do the job better and be safer at a rate for which it was designed.

15. Keep guards in place and in working order. If a guard must be removed for maintenance or cleaning make sure it is properly attached before using the tool again.

16. Be sure that key and adjusting wrenches have been removed before turning power on.

17. Use only accessories designed for the machine.

18. Make sure tool is properly grounded. If tool is equipped with three-prong plug, it should be plugged into a three-pole electrical receptacle. Never remove the third prong.

19. Always disconnect tool before servicing and when changing accessories such as planer blades.

20. Make sure that switch is in "OFF" position before plugging in cord.

21. Place material firmly against the table.

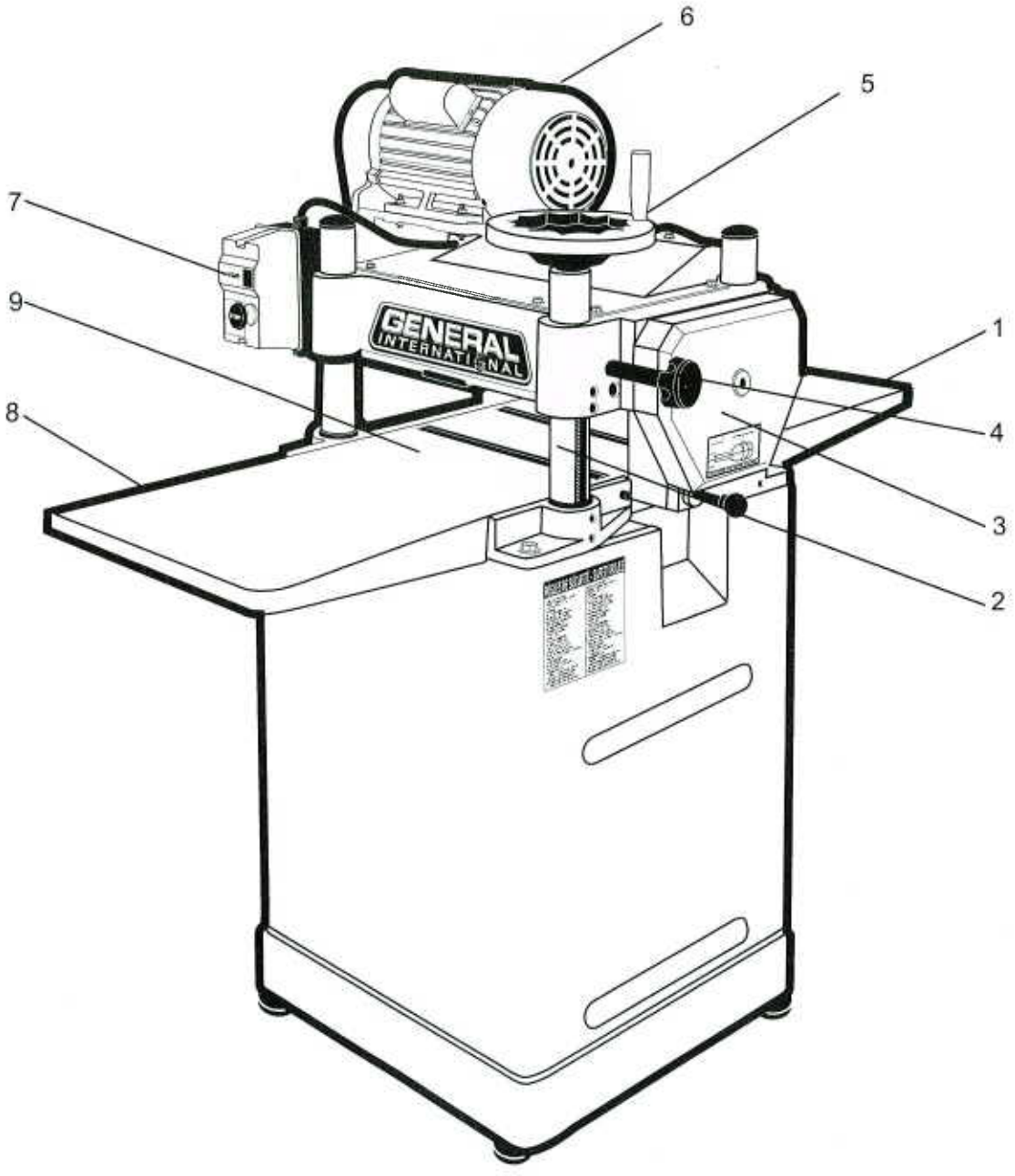
22. Use ONLY recommended accessories. Use of accessories NOT recommended by General International may result in a risk of injury.

23. Do not use this planer for other than it's intended use. If used for other purposes, General International disclaims any real or implied warranty and holds itself harmless for any injury, which may result from that use.

GENERAL ® INTERNATIONAL guarantee

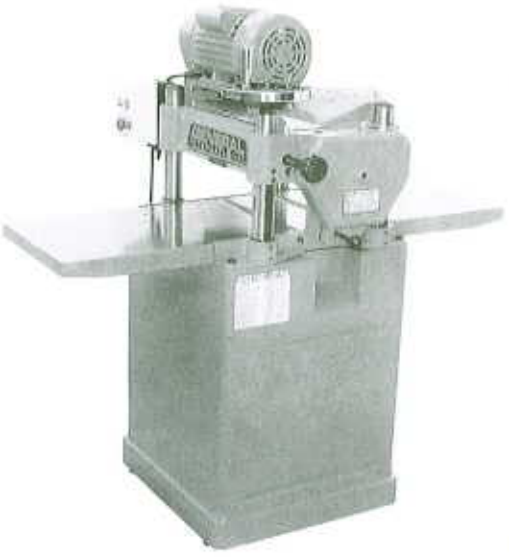
All component parts of GENERAL INTERNATIONAL machinery are carefully inspected during all production stages and each machine is thoroughly inspected upon completion of assembly. Because of quality, GENERAL INTERNATIONAL agrees to repair or replace any genuine part or parts which, upon examination, proves to be defective in workmanship or material within a period of 24 months from date of purchase.In order to obtain warrantee, all defective parts must be returned pre-paid to GENERAL INTERNATIONAL MFG. Co Ltd. Repairs made without our written authorization voids all guarantees.

PARTS IDENTIFICATION



1. REAR TABLE EXTENSION
2. DEPTH SCALE
3. GEAR BOX
4. HEAD ASSEMBLY LOCK KNOB
5. HEAD ASSEMBLY ELEVATING HANDWHEEL
6. CUTTERHEAD DRIVE MOTOR
7. POWER SWITCH
8. FRONT TABLE EXTENSION
9. MAIN TABLE

15" PLANER
30-115



GENERAL® INTERNATIONAL Planers are carefully tested and inspected before shipment and if properly used will give perfect results. However, a reasonable amount of care and attention is necessary to ensure perfect performance and accurate work. It is imperative that you take a few moments to familiarise yourself with these instructions, as they will no doubt save you a lot of time and trouble.

UNPACKAGE AND CLEANUP

To ensure maximum performance from your GENERAL® INTERNATIONAL 15" Planer, clean it properly; and install it accurately before use. As soon as you receive your planer, we recommend you follow these procedures:

1. Finish removing the contents of the shipping wooden case and compare with the contents list.
2. Report damage, if any to your local distributor.
3. Clean all rust protected surfaces with a mild solvent or kerosene. Do not use lacquer thinner; paint thinner, or gasoline. These will damage painted surfaces.
4. To prevent rust, apply a light coating of paste wax to surface.

CONTENTS LIST

ITEM#1
- (1) 3mm Allen Wrench
- (1) 4mm Allen Wrench
- (1) 5mm Allen Wrench
- (1) 6mm Allen Wrench

ITEM#2
- (2) Knife Setting Guide

ITEM#3
- (1) 8-10mm Open End Wrench
- (1) 12-14mm Open End Wrench
- (1) 17-19mm Open End Wrench

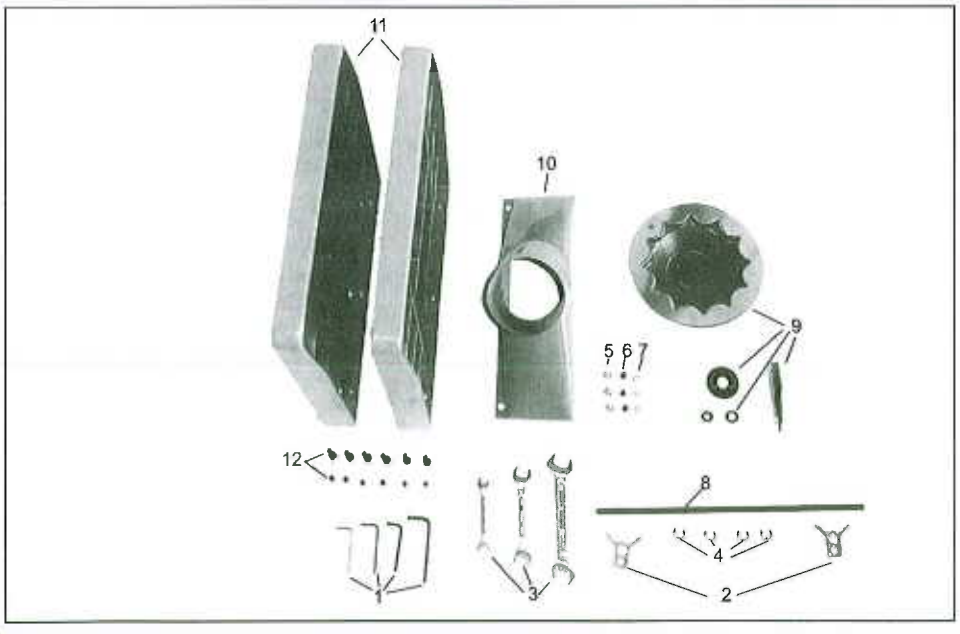
ITEM#4
- (4) "C" Circlip

ITEM#5
- (3) M5 Hex Head Screw

ITEM#6
- (3) M6 Cap Screw

ITEM#7
- (3) Spring Washer

ITEM#8
- (1) Knife Setting Guide Shaft



ITEM#9
- (1) Hand wheel
- (1) Handle
- (1) Label
- (1) Nut
- (1) Washer

ITEM#10
- (1) Dust chute

ITEM#11
- (2) table extension

ITEM#12
- (6) M8 Hex. head screw
- (6) M8 Set screw

••••••CAUTION! ••••••

NEVER ATTEMPT TO CONNECT TO AN OUTLET WITH A GREATER POWER SOURCE VOLTAGE THAN REQUIRED!

••••••ATTENTION! ••••••

ALWAYS VERIFY THAT THE MACHINE IS PROPERLY GROUNDED TO AVOID ELECTRIC SHOCK TO THE WORK OPERATOR!

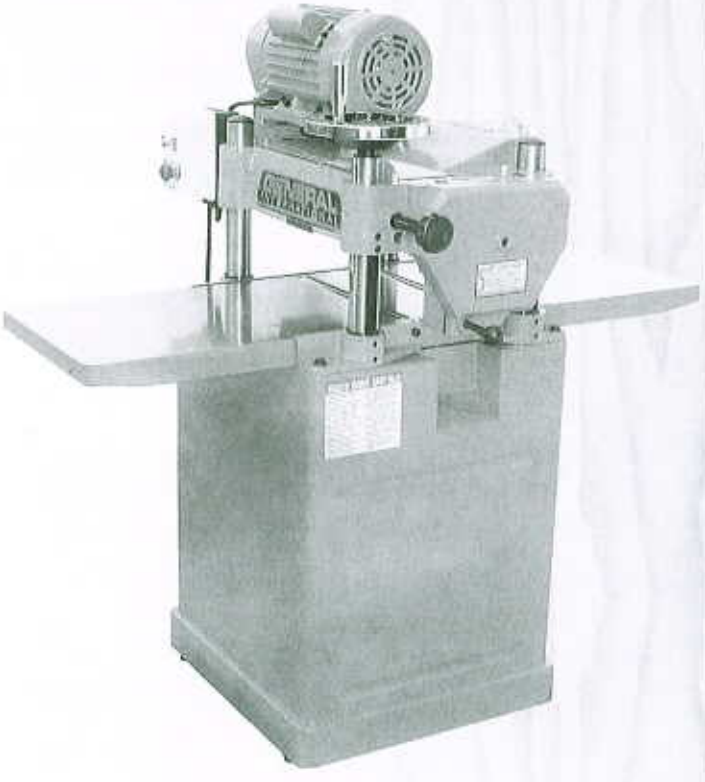
ELECTRICAL REQUIREMENTS

Before connecting the machine to the power source verify that the voltage supplied corresponds as specified on the nameplate of the machine. A power source with greater voltage than needed can result in serious injury to the user as well as damage the machine. If in doubt, contact a qualified electrician before connecting to the power source.

GROUNDING

Machine must be properly grounded in order to avoid electric shock to the work operator. The use of an extension cord is not recommended.

Connect to a circuit breaker no greater than voltage supplied on name plate to avoid shock or fire; replace the power cord if it gets worn out, cut or damaged in any way replace immediately.



INSTALLATION

- Make sure location is a fixed solid foundation. Verify that the machine remains steady and properly balanced.
- Choose work area accordingly, avoiding obstacles that may interfere while work operations are being performed.

WARNING!

DISCONNECT THE MACHINE BEFORE PERFORMING ANY ADJUSTMENTS!
FAILURE TO COMPLY CAN CAUSE SERIOUS INJURIES TO THE MACHINE AND THE WORK OPERATOR!

ADJUSTMENTS

Machine Levelling

Before operating machine, be sure to adjust the machine levelling screws to rest on the floor. Turn the (4) levelling screws located at the bottom of the stand using a 14mm open end wrench.

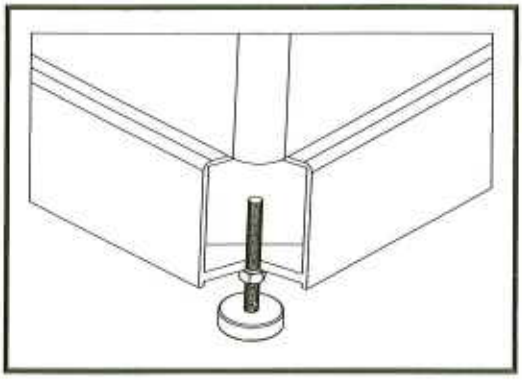


Fig. A

Set-up infeed-Outfeed Roller Assembly

1. Install set screws (B) into extension table so that they are levelled with the surface that faces the machine.
2. To attach the table extension to machine use three hex head bolts (A).
3. Find a straight edge approximately four feet long to adjust table extension.
4. Using bolts (A) and set screws (B), adjust so that when the straight edge is lying on the table extension, there is no space between the straight edge and the tables.
5. Tighten screw (A)
6. Repeat the same procedures for the opposite of table extension.

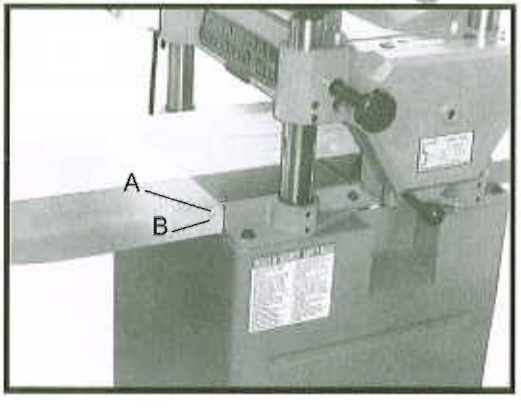


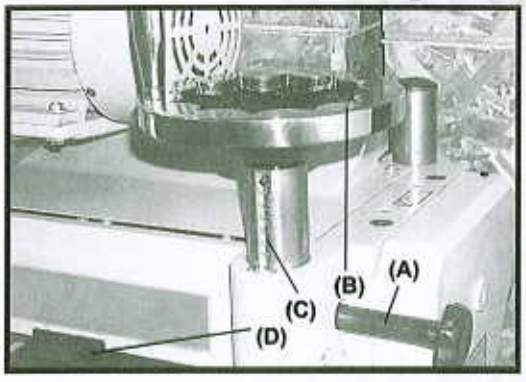
Fig. B

Height Adjustment

Turn hand wheel (A) clockwise or counter-clockwise to adjust to the required height.

DEPTH OF CUT ADJUSTMENT *Fig. 1*

Fig. 1



1. The depth of cut is controlled by raising and lowering the head assembly as illustrated in Fig.1 The head assembly raises and lowers on four precision steel ground columns.

2. To Adjust: Loosen the two head assembly lock knob (A), and turn the elevating handwheel (B) .

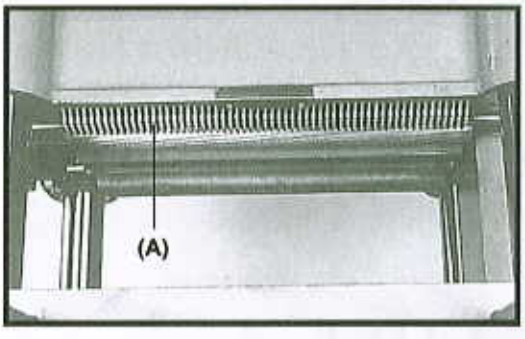
3. When required depth is obtained, lock the two head assembly lock knobs in order to maintain the current depth.

4. A scale (C) is located on the right front column for easy reading.

5. The maximum depth of cut on full width planing is 1/8". A limiter (D) is provided to limit the depth of cut. If the workpiece to be cut is less than 6", the allowable maximum depth of cut is no more than 1/4" in one pass.

ANTI-KICK BACK FINGERS *Fig. 2*

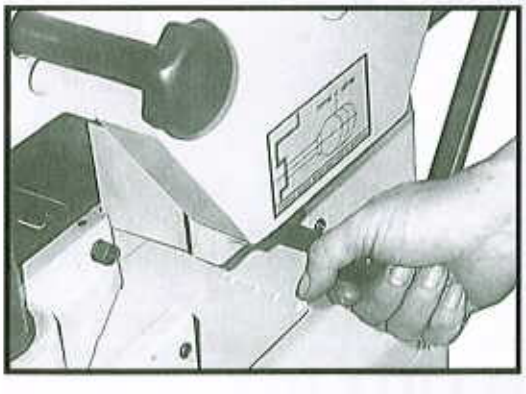
Fig. 2



Anti-kickback fingers (A) are provided on your planer to prevent kickback. These fingers operate by gravity and it is necessary to inspect them occasionally.

In order for the anti-kickback fingers to move freely and operate correctly, you must clean off any dust, particles or residue left behind.

Fig. 3



FEED ROLLER SPEED CONTROL *Fig. 3*

The 30-115 Planer is equipped with a spiral, serrated infeed roller and solid steel outfeed roller (Fig.3).

When the feed rollers ar e engaged, they turn and feed the stock. The feed rollers slow automatically when the machine is under heavy load in order to gives great results under all planing conditions. The feed rollers are driven by a chain and sprocket drive, which takes power directly from the cutterhead through the oil bath gearbox.

To engage: the feed rollers , pull out the lever (Fig.3).

To disengage: the feed rollers , push the lever back in toward machine.

To change: the feed speed, push the lever in for 20 FPM, or pull lever out for 16 FPM. Set the lever in neutral position for zero speed.

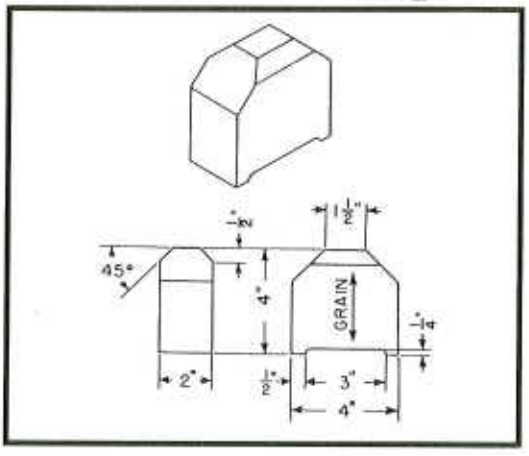
Note: speed change can only be changed when the machine is running.

WARNING!

DISCONNECT THE MACHINE BEFORE PERFORMING ANY ADJUSTMENTS! FAILURE TO COMPLY CAN CAUSE SERIOUS DAMAGES TO THE WORK OPERATOR AND THE MACHINE!

ADJUSTMENTS *Fig. 4*

Fig. 4

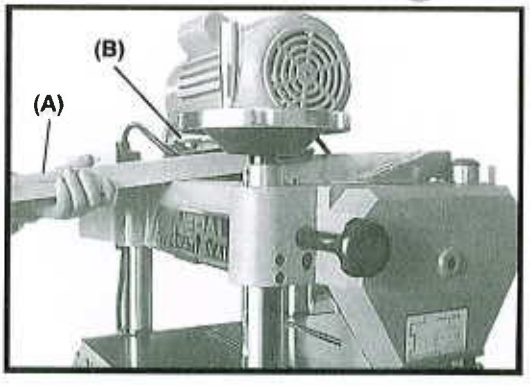


Planer has been factory adjusted, and requires no further modifications; however considering the handling and transit movement from the warehouse to the destination, minor adjustments may be needed before starting work operations.

To adjust: you will need a straight edge, a feeler gauge and a home made gauge block made of hardwood. The gauge block can be made by following the dimension (Fig.4)

ADJUSTING BELT TENSION *Fig.5 & Fig.6*

Fig. 5



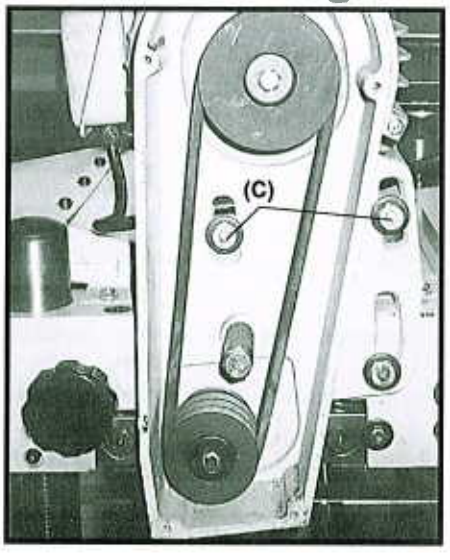
To adjust following these procedures:

1. Disconnect the machine from the power source.
2. Remove pulley cover from the machine.
3. Place a board (A) underneath the motor base (B) as illustrated in (Fig.5)
4. Loosen the two bolts (C).
5. Lift up on the motor base to an approximate belt tension.
6. Adjust belt tension until correct belt tension is obtained.

Note: The proper belt tension is appr. 1/4" deflection in the center span of the belts using light finger pressure.

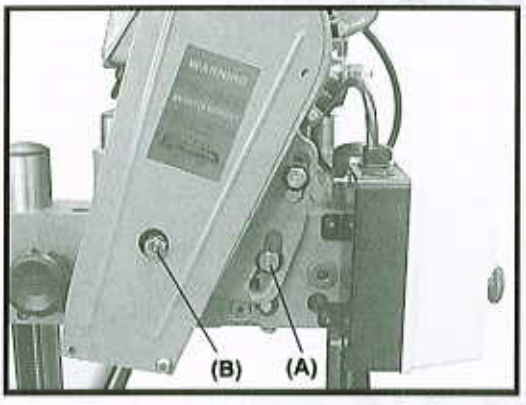
7. Once proper tension is obtained, tighten the two bolts and replace side cover.

Fig. 6



KNIVES

Fig. 7

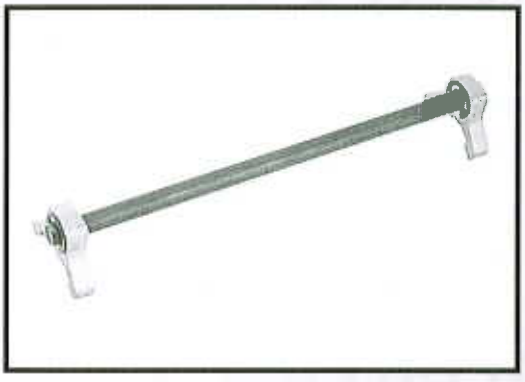


1. Disconnect the machine from the power source.
2. Loosen the two screws (A)(B) (Fig.7)and tilt motor assembly to the front.

To Adjust: use the following methods:

1. Use knife gauge and verify all three knives for proper setting (Fig.8)
2. A properly placed gauge should slightly touch the bottom of the center protrusion of the gauge.
3. If adjustment is required; slightly loosen the knife locking bars of all three knives by turning the fifteen knife locking screws into the knife locking bars. Screws should just be loose enough to relieve stress in the cutterhead without disturbing the knives setting.
4. Use the knife gauge to adjust the knife that needs to be adjusted; loosen the five locking screws by turning them into the knife locking bar.
5. As the knife locking bar becomes loose, the springs under the knife will raise until it contacts with the center portion of the gauge. Close up the knife locking bar by lightly backing out the five screws against the slot. Temporarily tighten the knife into slot in order to hold in position.

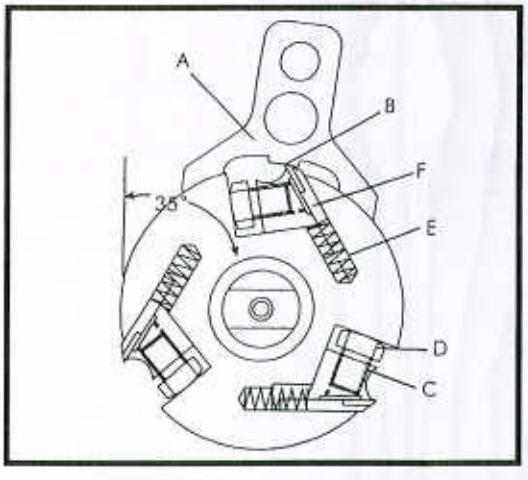
Fig. 8



6. If additional knives must be reset repeat steps 4 & 5.
7. After all three knives are set, tighten the five screws against the slot starting with the end screw and then the center screws. Make sure knife is securely tightened to cutterhead before proceeding with the next two knives.

To Replace, use the following methods:

Fig. 9



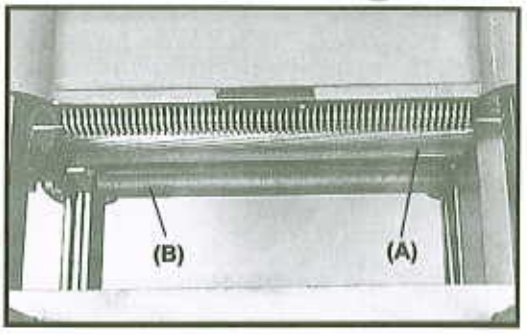
1. Loosen the knife locking bar by turning the five knife locking screws; remove the knife locking bar, knife and springs located under the knife.
2. Remove the remaining knives in the same manner.
3. Clean the knife slots, knife bars, springs and screws. Replace screws if threads appear worn or stripped.
4. Inspect the cutting edges of knives for nicks or warped edges. Grind the knives using a stone or sharpen if required. Always maintain a cutting angle of 35 degrees (Fig.9).
5. Insert springs, knives and knife locking bars into all three slots on the cutterhead. Back out the locking screw just enough to hold all three knives in the cutterhead.
6. Place the knife gauge (A) over one of the knives, (Fig.9).
7. Hold down the knife gauge and loosen all five locking screws (D) turn them into bar (C) until the cutting edge of the knife (F) comes in contact with the protrusion (B) of the gauge. Close the knife locking bar(C) by slightly backing out the five screws (D) against the slot.

Note: Slightly tighten in order to hold in position, in order to insert the remaining knives.

8. Replace and reset the other two knives in the same manner.
9. Once all three knives are set up tighten the five screws against the slot starting with the end screw and then the center screws. Verify that the knives are securely held in the cutterhead, and tighten the remaining screws.

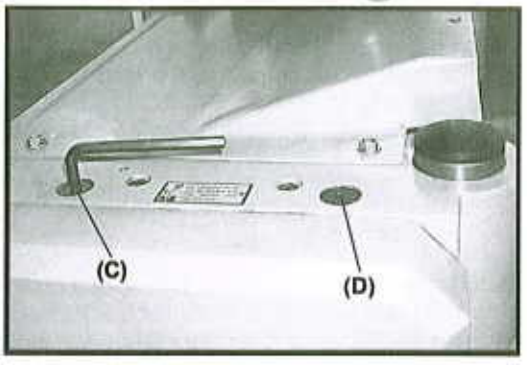
ADJUSTING FEED ROLLER SPRING TENSION *Fig.10*

Fig. 10



The infeed roller (A) and outfeed roller (B) are the parts that feed the stock while it is being planed. The feed rollers (A) and (B) are under spring tension and this tension must be sufficient in order to feed stock smoothly and evenly through the planer without slipping The tension should not be too tight; this can cause damages to the board. Equal tension should be on both ends of each roller.

Fig. 11



To Adjust Infeed Roller:

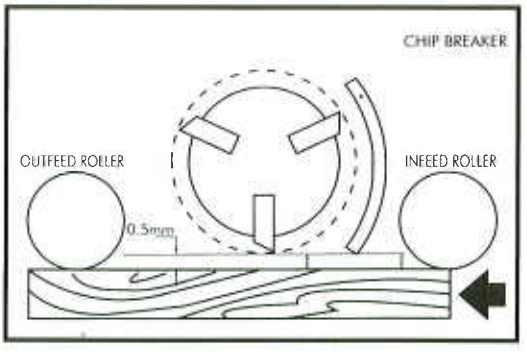
- Turn screw (C) (Fig.11). turn the screw shown on the opposite end of the planer.

To Adjust Outfeed Roller:

- Turn screw (D) and turn the screw on the opposite end of the planer (Fig.11)

ADJUSTING HEIGHT OF OUTFEED ROLLER *Fig.12*

Fig. 12



The outfeed roller is factory adjusted at 0.5mm below the cutting circle.

Follow theses methods in order to adjust:

1. Disconnect the machine from the power source.
2. Verify that the knives are properly adjusted as indicated under "Knives" page 9.
3. Place the gauge block on the table directly underneath the cutterhead. Use a 0.5mm feeler gauge, place on top of the gauge block, raise or lower the head until the knife slightly touches the feeler gauge when knife is at the lowest point. Do not move the head any further until the outfeed roller is adjusted.
4. Move the gauge block under the end of the outfeed roller (Fig12). The bottom of the outfeed roller should slightly touch the top of the gauge block. If adjustment to the outfeed roller is necessary, loosen the locknut (A) and turn screw (B) until feed roller slightly touches the gauge block. Re-tighten locknut in order to hold in position.
5. Verify and adjust opposite end of outfeed roller the same way.

ADJUSTING CHIPBREAKER

The chipbreaker is located on top of the planer and extends down around the front of the cutterhead. The chipbreaker raises as stock is fed through and "breaks or curls" the chips. The bottom of the chipbreaker must be parallel to the knives and set 0.5mm below the cutting circle.

To verify and adjust chipbreaker, follow these procedures:

1. Disconnect the machine from the power source.

2. Verify that the knives are adjusted properly as preciously explained under "Knives" page 9.

3. Place the gauge block (A) on the table directly underneath the cutterhead (Fig.13). using a 0.5mm feeler gauge (B), place on top of the gauge block, raise or lower the head until the knife (C) slightly touches the feeler gauge when the knife is at its lowest point. Do not move the head any further until the chipbreaker is checked and adjusted as required.

4. Move the gauge block (A) underneath the chipbreaker (D) (Fig.14). the bottom of the chipbreaker should slightly touch the top of the gauge block. Check the opposite end of the chipbreaker the same way.

5. If any adjustments are required, loosen nuts (F) (Fig.15). Turn screws (E) until the bottom of the chipbreaker slightly touches the gauge block. Re-tighten nuts (F) in order to hold in position.

Fig. 13

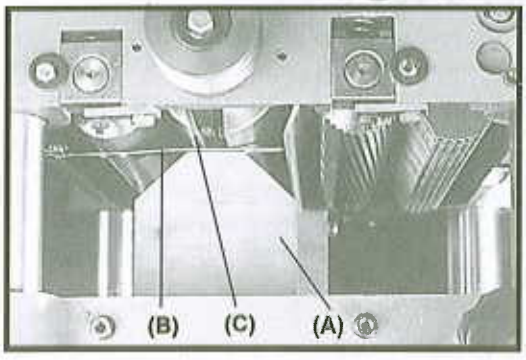


Fig. 14

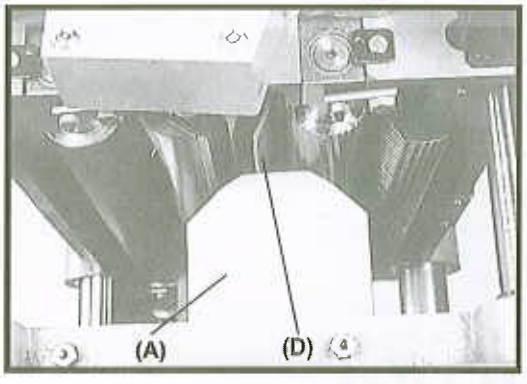
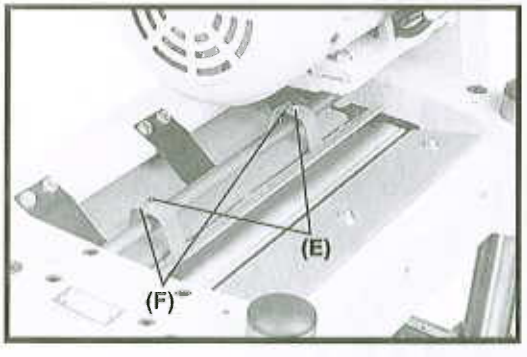
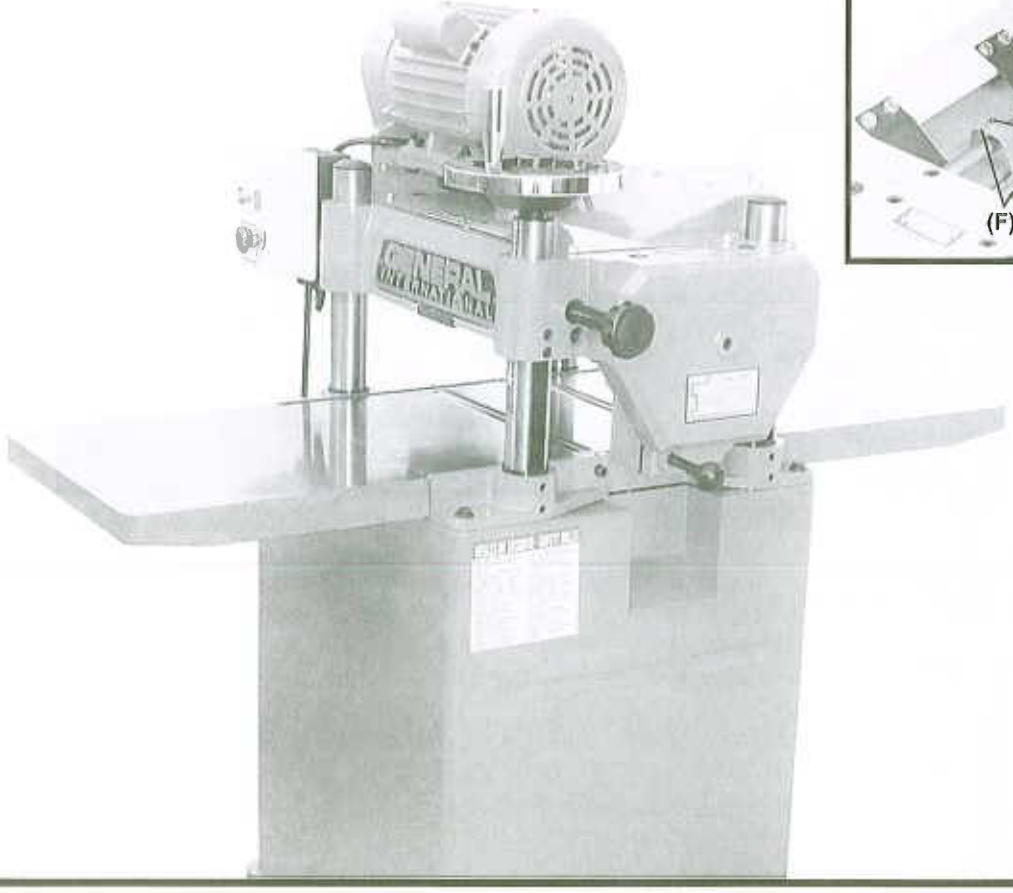


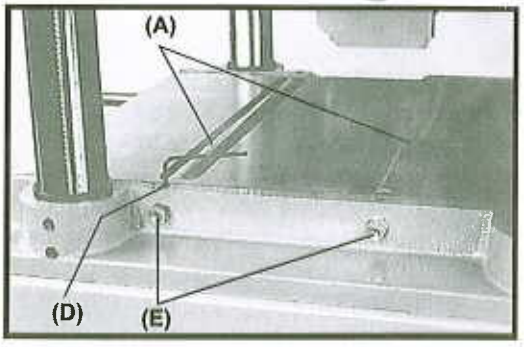
Fig. 15





ADJUSTING TABLE ROLLERS

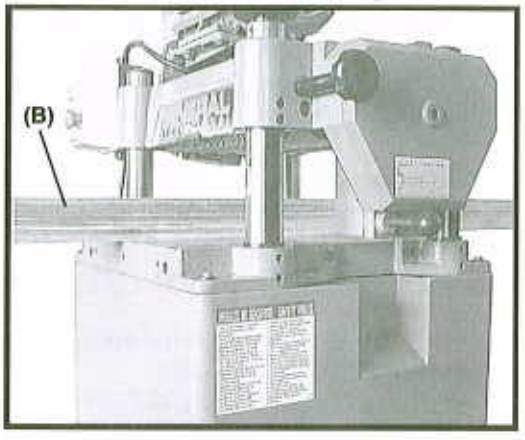
Fig. 16



Your planer is equipped with two table rollers (A) (Fig.16). These rollers will help in feeding stock by reducing friction, and turn as the stock is fed through the planer. It is not possible to give exact dimensions on the proper height setting of the table rollers because each type of wood behaves differently. As a general rule, when planing rough stock the table rollers should be set High and when planing smooth stock the table rollers should be set Low. The suggested table roller height is at least 0.15mm over the table surface.

The table rollers on the planer are set for average planing and are parallel to the table surface. If higher or lower adjustments are required, follow these procedures:

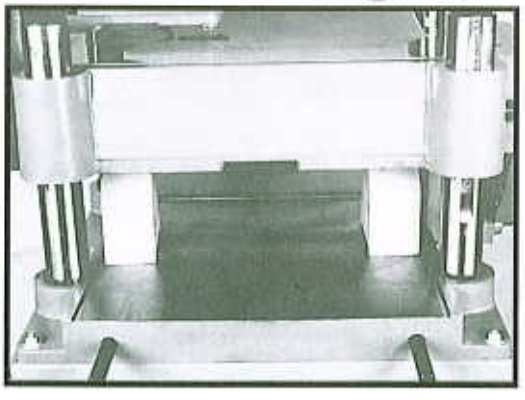
Fig. 17



1. Disconnect the machine from the power source.
2. Place a straight edge (B) across both rollers as illustrated in (Fig.17). Turn the two eccentric shafts (E) in order to raise or lower the table rollers as illustrated in (Fig.16). Table rollers must also be adjusted on the opposite end of the table in the same way, note that table rollers must always be set parallel to the table.

ADJUSTING CUTTERHEAD PARALLEL TO TABLE

Fig. 18

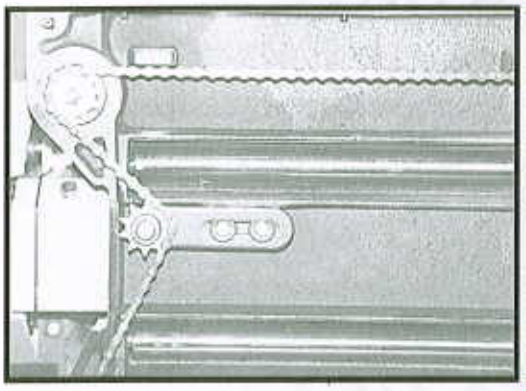


The cutterhead has been pre-set parallel to the table at the factory, therefore no further adjustments are required. If your machine is planing a taper; verify to see if knives are properly set in the cutterhead. Due to transport handling verify that the table is parallel to the cutterhead.

If adjustments are required follow these procedures:

1. Disconnect the machine from the power source.
2. Place the gauge block on table directly under cutterhead as illustrated. Lower the cutterhead until cutterhead slightly touches the gauge block.
3. Move gauge block to opposite end of table, (Fig. 18).
4. Repeats steps 2,3 on outfeed end of table.

Fig. 19



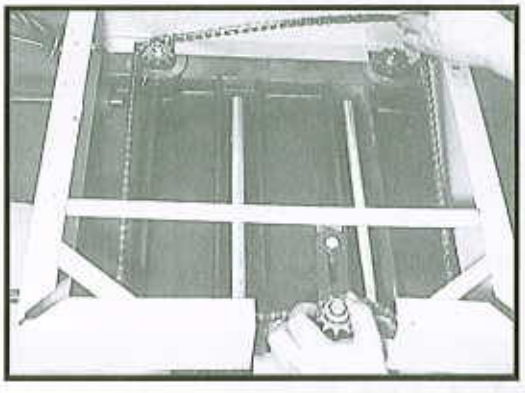
5. If cutterhead is not parallel, tilt planer on its side (Fig.). Remove bolt (C) and loosen bolt (D); this will allow you to move the idler sprocket assembly far enough to release tension on the chain. Remove chain from sprocket on the end that needs to be adjusted.

6. Turn sprocket (F) by hand (Fig.), adjust the first corner with the remaining three.

Note: This adjustment is very sensitive and it should not be necessary to turn the sprocket more than one or two teeth.

7. Turning sprocket clockwise will decrease the distance between the table and cutterhead. Counter-clockwise will increase the distance.

Fig. 20



For additional planing information, please ask your authorized dealer or contact us for a copy of "THE GUIDE TO EXCELLENT PLANING"

LUBRICATION

1. Wipe the chain with a lubricated cloth for medium to slow speed operation.

2. If excessive build-up of dust, dirt or wood shavings occur ; coat chain with a light film of oil (never pour directly on chain). Over oiling defeats the purpose of the lubrication, the chain will overly accelerate , and will require constant replacement.

3. The bearings on the cutterhead are factory lubricated and sealed, therefore they require no further attention.

PERIODIC MAINTENANCE

1. Close fitting parts, such as the lock-bars and the planer cutterhead slots should be cleaned with a brush, remove any particle clinging to the equipment and slightly dampen with oil.

2. Remove any accumulation from the feed rolls and tables with a non-flammable solvent.

3. The gear box oil should be changed once a year.

4. The four table raising screws should be lubricated as required using a common grease.

PARTS LIST
30-115

N0.	PART N0.	REF. N0.	DESCRIPTION	SPECIFICATION	QTY
1	30115-01	PJ010001	GUARD		1
2	30115-02	HK011300	V-BELT	M27	3
3	30115-03	HS010510	HEX. HD.SCR.	M8*1.25P*20	10
4	30115-04	HA010616	HEX. HD.SCR.	M10*1.5P*30	3
5	30115-05	PJ010080	WASHER		1
6	30115-06	HE019700	FLAT WASHER	10*25*3.0t	3
7	30115-07	DK0X0101	MOTOR PULLEY		1
8	30115-08	PJ010003	COVER		1
9	30115-09	PJ0D0L01	POWER SUPPLY WIRE	12A/3C*1.45M	1
10	30115-10	PJ0A1901	MOTOR		1
12	30115-12	HA010647	HEX. HD.SCR.	M10*1.5P*80	1
13	30115-13	HS100405	HEX. HD.SCR.W/WASHER	M6*1.0P*12	24
14	30115-14	PJ010004	BUSHING		1
15	30115-15	HS010513	HEX.HD.SCREW	M8*1.25*25	3
16	30115-16	PJ010005	CUTTERHEAD PULLEY		1
17	30115-17	HC010800	NUT	M8*1.25P	8
19	30115-19	PJ010006	MOTOR MOUNT		1
20	30115-20	HE015300	WASHER	8.5*23*2.0t	8
21	30115-21	HA010525	HEX HD.SCR.	M8*1.25P*45	4
22	30115-22	HE018400	WASHER	8.2*22*3t	17
23	30115-23	PJ010007	BRACKET		1
24	30115-24	PJ010008	SHAFT		1
25	30115-25	PJ010009	IDLE PULLEY		1
26	30115-26	PJ010010	SHAFT		1
27	30115-27	PJ010012	SPRING		1
28	30115-28	PJ010011	HANGER		1
29	30115-29	HA020404	CAP SCREW	M6*1.0P*10	2
30	30115-30	HW010900	NUT	M10*1.25P	4
31	30115-31	HY018600	WASHER	10*20*1.5t	4
32	30115-32	PJ030007	LABEL		1
33	30115-33	DK020002	HAND WHEEL		1
34	30115-34	PJ010018	HANDLE		1
35	30115-35	PJ010013	UPPER COVER		1
36	30115-36	PJ010014	CHIP DEFLECTOR PLATE		1
37	30115-37	PJ010015	PLUG		3
38	30115-38	HA020528	CAP SCREW	M8*1.25P*50	4
39	30115-39	PJ010019	KNOB		1
40	30115-40	PJ010020	LOCK SMITH		2
41	30115-41	HA010405	HEX HD.SCR.	M6*1.0P*12	4
42	30115-42	PJ010021	HEAD CASTING		1
43	30115-43	PJ010022	SPRING PIECE		3
44	30115-44	PJ010023	SCREW		4
45	30115-45	HA030408	SET SCREW	M6*1.0P*16	7
46	30115-46	HH033419	KEY	8*8*38	1
47	30115-47	PJ0L0101	CUTTERHEAD		1
48	30115-48	PJ010024	LOCK BOLT		2
49	30115-49	PJ010025	LOCK BAR		2
50	30115-50	HG011111	SPRING PIN	6*20	2
51	30115-51	PJ010026	COVER		1
52	30115-52	PJ0B0X01	SWITCH		1
54	30115-54	HA020408	CAP SCREW	M6*1.0P*16	8
55	30115-55	HA030505	SET SCREW	M8*1.25P*12	7
56	30115-56	PJ010027	SPRING		4
57	30115-57	PJ010028	BUSH		4
58	30115-58	PJ010029	PLATE		4
59	30115-59	HW010600	HEX NUT	M6*1.0P	6
60	30115-60	PJ1G0101	OUTFEED ROLLER		1
61	30115-61	PJ010030	CUT LIMITER PLATE		1
62	30115-62	HS050303	FLAT HD MACH SCR	M5*0.8P*8	2
63	30115-63	HH030410	KEY	5*5*22	2
64	30115-64	HI010105	RIVET	2*5	2
65	30115-65	PJ010031	SPROCKET		1
66	30115-66	HE018000	WASHER	6.2*20*3.0t	4
67	30115-67	HS010408	HEX HD.SCR.	M6*1.0P*16	3

PARTS LIST
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N0.	PART N0.	REF. N0.	DESCRIPTION	SPECIFICATION	QTY
68	30115-68	HK445100	CHAIN	06B*63P	1
69	30115-69	HJ032300	BEARING	6205-2NSE	1
70	30115-70	PJ010032	CHIP BRACKET		1
71	30115-71	PJ010033	SHAFT		1
72	30115-72	PJ010034	KNOB		1
73	30115-73	HF032100	RETAINING RING	ETW-15	2
74	30115-74	PJ010035	COLLAR		40
75	30115-75	PJ010036	ANTI-KICK FINGER		39
76	30115-76	PJ010037	SHAFT		1
77	30115-77	PJ010038	INFEED ROLLER		1
78	30115-78	PJ010039	SPROCKET		1
79	30115-79	HA020405	CAP SCREW	M6*1.0P*12	1
80	30115-80	HA022200	BEARING	6204ZZ	1
81	30115-81	PJ010040	GEAR		1
82	30115-82	HA020413	CAP SCREW	M6*1.0P*25	6
83	30115-83	HJ141900	BEARING	6201	2
84	30115-84	PJ010041	GEAR		1
85	30115-85	PJ010042	SHAFT		1
86	30115-86	HH010405	KEY	5*5*10	2
87	30115-87	PJ010078	GEAR BOX COVER		1
88	30115-88	PJ010044	PIN		2
89	30115-89	HJ042700	BEARING	6201Z(A)	3
90	30115-90	PJ010045	SHAFT		1
91	30115-91	HH010523	KEY	6*6*40	1
92	30115-92	PJ010046	GEAR		1
93	30115-93	JE0R0101	KNOB		1
94	30115-94	HK443500	CHAIN	06B*47P	1
95	30115-95	PJ010047	SPROCKET		1
96	30115-96	HM110300	OIL PLUG	PT1/4"-19	2
97	30115-97	HM141304	OIL SEAL	TC28*40*8	1
98	30115-98	PJ010079	GEAR BOX		1
99	30115-99	PJ010049	PACKING PIECE		1
100	30115-100	PJ0119	GEAR ASSY		1
101	30115-101	PJ010052	SHAFT		1
102	30115-102	PJ0L0103	SPRING		1
103	30115-103	HL011200	BALL	_6	1
104	30115-104	HM131103	OIL SEAL	SC25*47*6	1
105	30115-105	HJ043000	BEARING	6204Z(A)	1
107	30115-107	PJ010054	CLUTCH		1
108	30115-108	PJ010055	SHAFT		1
109	30115-109	HM081100	O-RING	P12	1
111	30115-111	PJ010057	NUT		4
112	30115-112	PJ010058	LEAD SCREW		3
113	30115-113	HA030405	SET SCREW	M6*1.0P*12	4
114	30115-114	PJ010059	COLUMN		3
115	30115-115	PJ010060	LIMITER RING		4
116	30115-116	PJ010061	ECCENTRIC SHAFT		4
117	30115-117	HJ040300	BEARING	608Z(A)	4
118	30115-118	PJ010062	ROLLER		2
119	30115-119	HA030605	SET SCREW	M10*1.5P*12	8
120	30115-120	HK257400	CHAIN	41*134P	1
121	30115-121	HF011300	RETAINING RING	STW-15	1
122	30115-122	PJ010063	SPROCKET		1
123	30115-123	PJ010064	SHAFT		1
124	30115-124	PJ010065	SPROCKET IDLER		1
125	30115-125	PJ200001	BASE		1
126	30115-126	HJ042800	BEARING	6202Z(A)	4
127	30115-127	HF023000	RETAINING RING	RTW-35	4
128	30115-128	PJ010067	SPROCKET		4
129	30115-129	PJ010068	SCALE		1
130	30115-130	HS040202	MACH SCREW	M3*0.5P*6	2
131	30115-131	PJ010069	COLUMN		1
132	30115-132	HA010516	HEX.HD.SCREW	M8*1.25P*30	4

PARTS LIST
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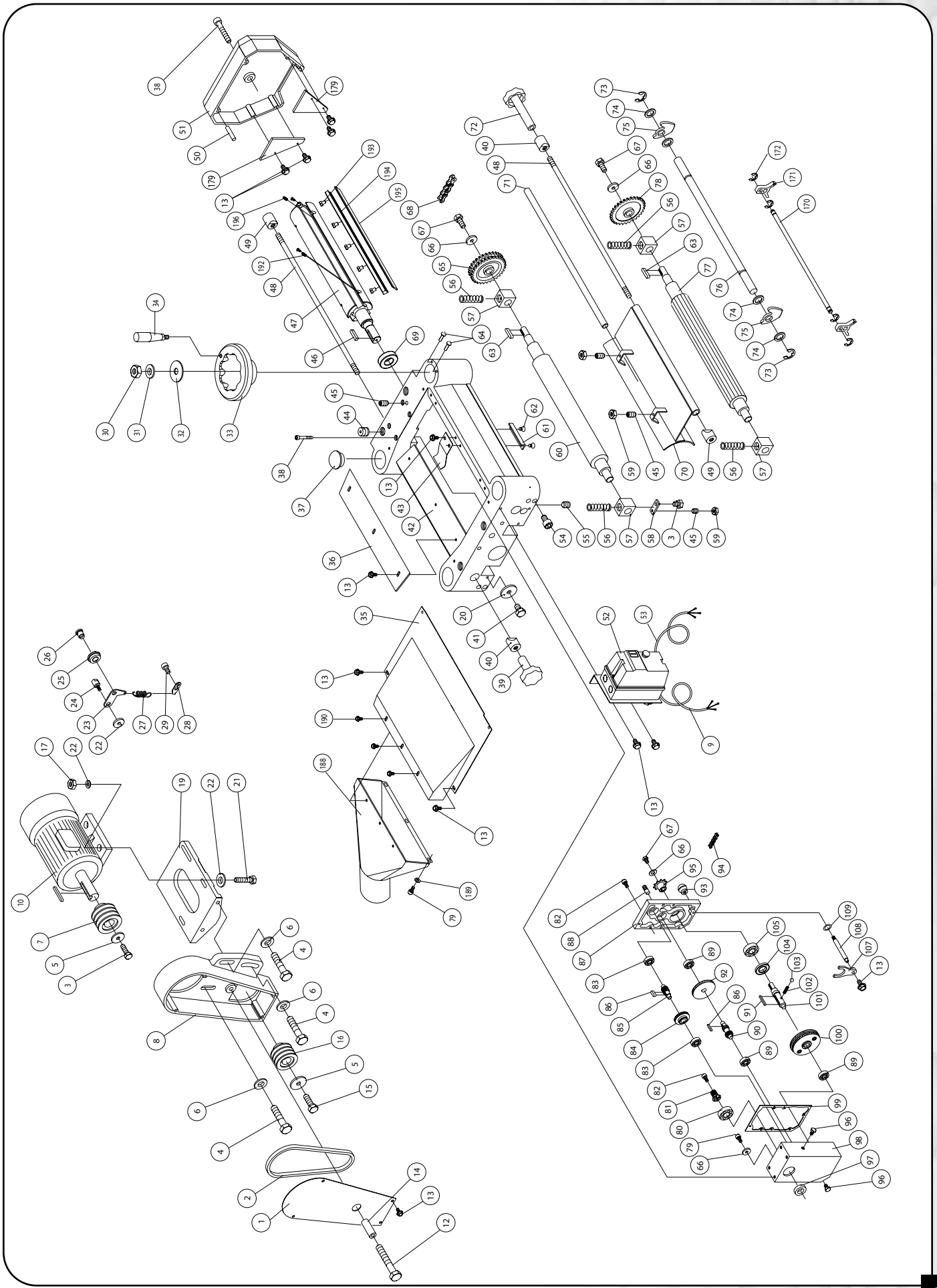
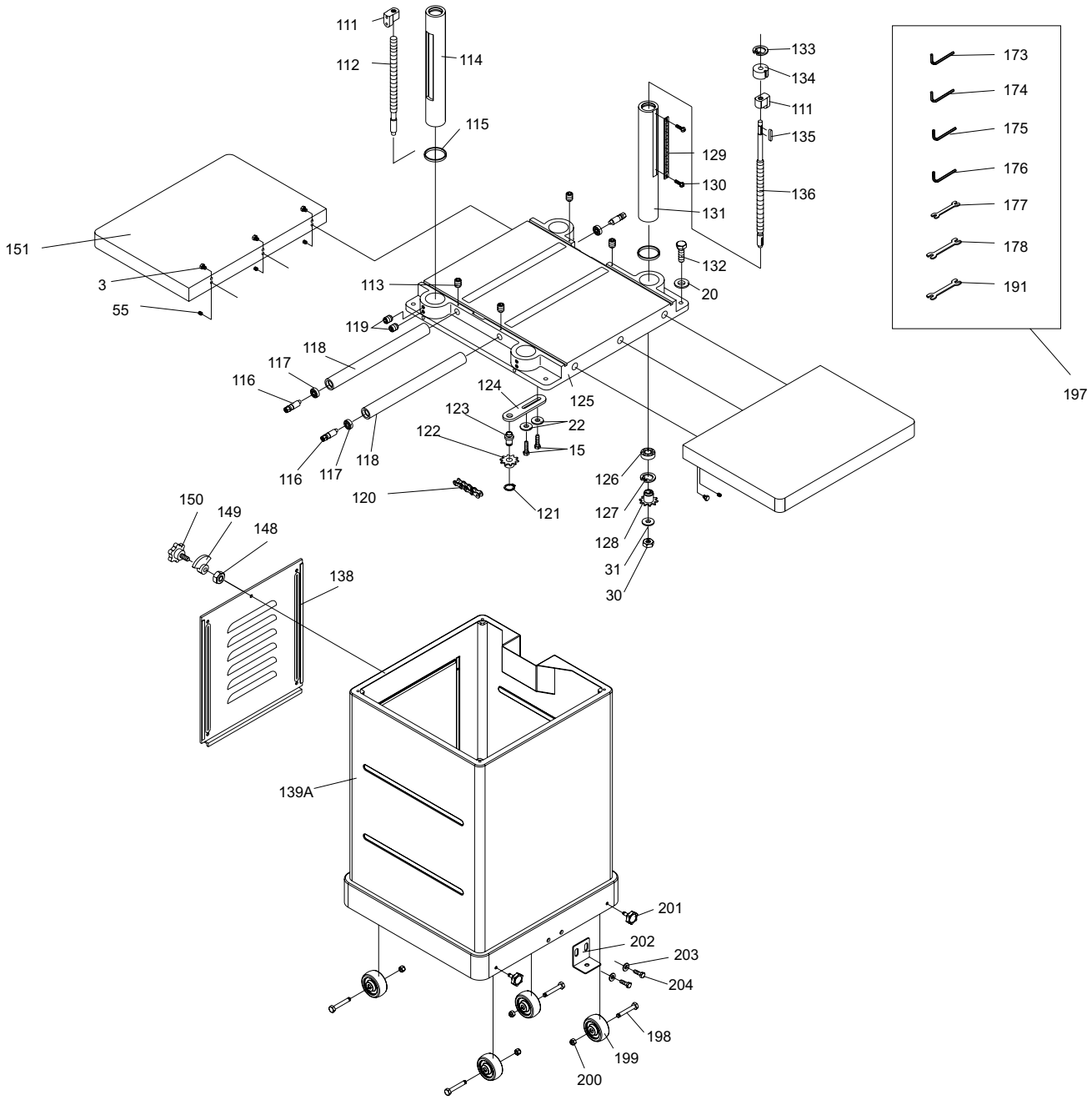
N0.	PART N0.	REF. N0.	DESCRIPTION	SPECIFICATION	QTY
133	30115-133	HF023200	RETAINING RING	RTW-38	1
134	30115-134	PJ010071	BUSH		1
135	30115-135	HH010311	KEY	4*4*20	1
136	30115-136	PJ010072	LEAD SCREW		1
137	30115-137	HA040603	MACH SCREW	M5*0.8P*8	4
138	30115-138	PJ170006	COVER		1
139	30115-139	PJ2001	STAND		1
140	30115-140	PJ0208	EXTENSION ROLLER ASSEMBLY		2
141	30115-141	PJ020801	ROLLER FRAME		2
142	30115-142	PJ020802	ROLLER		6
143	30115-143	PJ020803	ROLLER SHAFT		6
144	30115-144	OE020003	LEVELING SCREW		4
145	30115-145	PJ020804	BUSHING		6
146	30115-146	HS010405	HEX.HD SCR.	M6*1.0P*12	6
147	30115-147	HY018100	FLAT WASHER	6.4*16*1	6
170	30115-170	PJ010074	CLUB OF KNIFE GAUGE		1
171	30115-171	PJ010075	KNIFE GAUGE		2
172	30115-172	HF031800	RING	ETW-9	4
173	30115-173	HQ010700	HEX WRENCH	6MM	1
174	30115-174	HQ010600	HEX WRENCH	5MM	1
175	30115-175	HQ010500	HEX WRENCH	4MM	1
176	30115-176	HQ010400	HEX WRENCH	3MM	1
177	30115-177	HQ020400	OPEN END WRENCH	8*10	1
178	30115-178	HQ020900	OPEN END WRENCH	12*14	1
179	30115-179	PJ050001	SAFETY HATCH		2
191	30115-191	HQ021200	OPEN END WRENCH	17*19	1
192	30115-192	PJ0L0103	SPRING		6
193	30115-193	PJ0L0106	HEX HD SCR.		15
194	30115-194	PJ0L0105	KNIFE LOCKING BAR		3
195	30115-195	PJ0L0102	KNIFE		3
196	30115-196	HA080305	SCREW	M5*0.8P*12	6
197	30115-197	PJ1702	HARDWARE BAG		1

N O T E S

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